



























- Founder
Jan 20 -  **Sticky** (<https://sticky.to>)
- Founder of Sticky. Make branded physical↔digital apps without writing any code.
- Engineering Lead
Nov 18 - Jan 20  **SuperAwesome**
- Introduced engineering initiatives to create a culture of entrepreneurship. Line management (aligning on company initiatives and career mentorship).
 - Delivered the next generation of PII-free advertising, taking the project from a proof-of-concept to a market-ready product with an enterprise customer. Achievements include introducing React and Jest, 100% test coverage and distributed architecture reaching Kubernetes scaling limits.
- Senior Consultant
Jul 18 - Oct 18  **Arcadia/101 Ways**
- Contract. On-site via 101 Ways helping Arcadia transform engineering and replatform to React and Node.js (SSR).
 - Pair-owned greenfield component library (React/Styled Components) used accross 7 brands including Topshop, Topman and Miss Selfridge.
 - Conducted dozens of contract technical interviews.
- Co-founder
Mar 18 - Jul 18  **Storydust/Entrepreneur First** (<https://vimeo.com/277960656>)
- “EF is the best place to find a co-founder, build a company and access the world’s best investors. We’ve helped build over 140 technology companies collectively worth over \$1bn.”
 - Co-founded Storydust (EF10) which helped brands create “authenticity at scale” by letting them curate, license and use user-generated imagery of people using their products.
 - Implemented Google-quality image search via unsupervised learning ontology. Subsecond responses through map-reduce query planning. Search results were influenced by feedback loops from live content engagement.
 - Built enterprise-scale processing queue indexing over a million Instagram photos.
 - Stack: Infrastructure-as-code microservice infrastructure (Node.js/Docker/CoreOS/RabbitMQ/Redis) on Google Cloud Platform, DigitalOcean and Azure with dynamic load balancing and alerting. 100% test coverage. React SPA.
- Engineer
Feb 17 - Mar 18  **Beamery** (<https://beamery.com/careers-sites>)
- Early hire in full stack engineering pre-Series A to post-Series B. “Beamery is the world’s most advanced sourcing and recruitment marketing platform, empowering companies to treat candidates like customers.”
 - Mentored Founders & Coders interns through a full agile project alongside junior developer mentoring and pairing.
 - Worked one-to-one with Facebook (US), Balfour Beatty, Grab (Singapore), Greenhouse and Roivant.
 - Pair-lead development of candidate-facing Beamery Pages product (AngularJS/Node.js) which was key to Balfour Beatty’s “Outstanding Impact Transformation & Change” win in the Firm Awards.
 - Lead frontend development of hiring analytics product, understanding candidate journeys from first visit to hire through Keen.io and Elasticsearch.
 - Data visualisation and reporting in React. Supported work on micro-frontend architecture. Implemented GDPR workflows, real time socket.io notifications and advanced UI for Elasticsearch. Established end-to-end testing with Selenium/Cucumber before QAs.
- Engineer
Mar 16 - Feb 17  **PlayStation (R&D at Sony Interactive Entertainment Europe)**
- Full stack engineering on PlayStation’s best-in-class developer platform between London and San Mateo, CA.
 - Leadership on application’s frontend strategy (build, dependencies, introducing AngularJS).
 - Delivered AngularJS training to London and Bay Area senior engineers.
 - Delivered sprint visualisation project with Node.js (GitHub API) and D3.
 - Supported Architecture Board with greenfield serverless project on AWS (Node.js/CloudFormation/Elasticsearch).
- Co-founder
2015 - 2017  **Epsilon Data**
- Epsilon Data was a profitable automated marketing startup, working with the UK’s leading ethical tourism charity.
 - Lead generation by finding Twitter conversations and replying intelligently through brands’ Twitter handles. Test-driven algorithms avoided spam.
 - WYSIWYG landing pages with tracking from Twitter to website via client-side SDK.
 - “Deep Profiles” parallel crawler technology automatically associated and clustered LinkedIn, Twitter and Facebook profiles.
 - API-first insight platform (Node.js) with 0 downtime deployments through CloudFlare API. Failsafe integrations with Twitter, Google Images, Mapbox, GeoNames and Genderize.io.
 - Self-service “Client Portal” (AngularJS); slide deck reporting with impress.js and Chartist. 3-year old codebase migrated to Browserify, Babel and Sass.

Data Scientist Nov 14 - Oct 15	 Relative Insight, Lancaster <ul style="list-style-type: none"> Developed Python web scrapers for high profile brands including Oxford University and Smirnoff. Published language normalisation algorithms for Mumsnet and Twitter.
Developer Jun 14 - Sep 14	 DataCentred, MediaCityUK, Manchester <ul style="list-style-type: none"> Internship. Co-delivered customer support app in Ruby on Rails/AngularJS in 3 months, reflecting real-time JIRA ticket activity. Implemented LDAP support in OSS project phpipam.
Developer Jun 13 - May 14	 NextWorldWeb, InfoLab21, Lancaster <ul style="list-style-type: none"> Moved large legacy ecommerce systems to CakePHP, CS-Cart and WordPress. Automated WordPress theme creation from any site.
Developer 2011 - 2012	 Dark Flow (https://youtube.com/watch?v=yY3QpVo25lw) <ul style="list-style-type: none"> Lead a team of 5 developing a "true cross platform game maker" through .NET bytecode runner, browser and mobile support through native code generation.
Founder 2007 - 2011	 DS Game Maker (http://gamemakerblog.com/2010/09/22/ds-game-maker) <ul style="list-style-type: none"> Created famous Nintendo DS homebrew game making software, selling over 1,500 serial codes and 350 physical 'Homebrew Kits' by age 17. Adopted at American summer camps and site licenses sold worldwide. International logistics work with Hong Kong and support in German and Dutch.

Talks + Hackathons

Apr 19	 SuperAwesome Swarm Week Winners. Technology layer to make live video kid-safe through masking faces. Team of 3.
Jul 17	 #HackingTalent First Prize. Suggesting top candidates for hard-to-fill vacancies by classifying job descriptions to form structured vacancy data. Team of 3.
Sep 16	 Capco Hackathon with Monzo and Loqr First Prize. API clustering spend data from Monzo's API to create financial personality profiles. Tinder-like profile matching client (Angular). Deployed in > 5 hours' keyboard time. Team of 3.
Nov 14	 Global Startup Weekend 2014 First Prize. One line JavaScript embed code for reputation based comments, quantifying personality to eliminate on-line trolls. Team of 4.
Nov 14	 Nintendo DS Homebrew, 2014 Edition Speaker at DunDDD conference, University of Dundee. "Adventures in the retro Homebrew Scene" and live demo of Nintendo DS development.
Apr 14	 InfoLab21 Showcase Presented "Geosocial Networking Security" research alongside PhD students, looking at reverse engineering Grindr to find user locations.
Mar 14	 Hack Smart Streets 2014 'Most Commercially Viable' Prize. API for public bodies to detect decaying street furniture from crowdsourced imagery using computer vision (ffmpeg/.NET). Team of 4.
Aug 13	 LeedsHack 2013 First Prize. Mobile AR game 'Pacman City' on Google Maps. Team of 3.

Profile

Degree	 2:1 Computer Science BSc (Hons), Lancaster University, UK
Languages	 English: Native  German: Fluent  Spanish: Learning
Leadership	 Lancaster University Computer Science Society: President (2014 - 2015)  InterTech LGBT+ Diversity Forum: Organiser (2014 - 2017)